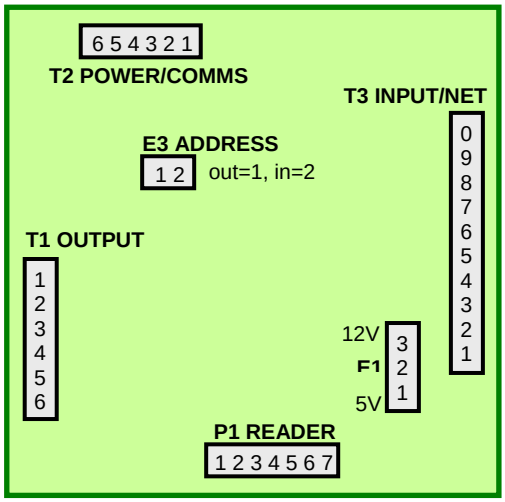
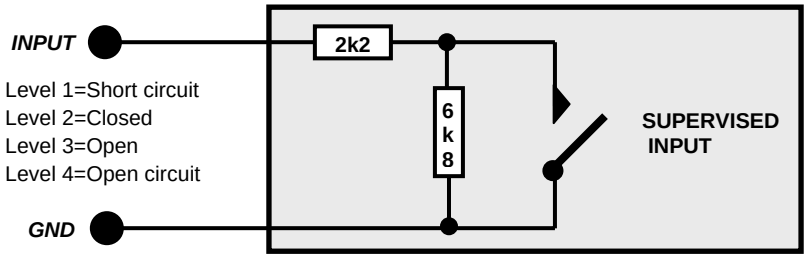
SOFTWARE CONTROL SERVICES
www.softconserv.com

CR374 Door Controller Rev 00.21





P1	READER
1	Power 5V (link E2 1-2) or 12V (E2 2-3).
2	Data/LO/Touch***
3	Clock/HI.
4	Ground.
5	Green LED.
6	Yellow LED.
7	Red LED.

T1	OUTPUTS*		
Pin	Type	Port Addr 1	Port Addr 2
1	Relay 1 common output 1.	15	24
2	Relay 1 NC.		
3	Relay 2 common output 2	16	25
4	Relay 2 NO.		
5	OC output 3 (/motor run, 3k3 to 5V).	17	26
6	OC output 4 (/motor forward, 3k3 to 5V).	18	27

T2	POWER/COMMS
1	Ground.
2	Data – TX
3	/Data – RX.
4	AC or DC in.
5	AC or DC in.
6	Ground.

T3	INPUTS** (supervised)		
Pin	Type	Port Addr 1	Port Addr 2
1	Input 1	17	21
2	Input 2	18	22
3	Ground.		
4	Input 3 (/motor front sensor).	19	23
5	Input 4 (/motor mid sensor).	20	24
6	Ground.		
7	1 Wire.		
8	SDA.		
9	SCL.		
10	Ground.		

* When address 1 (E3 out), outputs 1 to 4 are CR355 output ports 15 to 18;
When address 2 (E3 in), outputs 1 to 4 are CR355 output ports 24 to 27 as in table.

** When address 1 (E3 out), inputs 1 to 4 are CR355 input ports 17 to 20;
When address 2 (E3 in), inputs 1 to 4 are CR355 input ports 21 to 24.

*** or touch reader R1=4k7, OPT1 remove and link pin 3 to 7. Remove R9.

When powered-up while 0 and # keys are selected, the CR374 simulates 26 bit Wiegand (client code 0) on T1-5(LO), T1-6(HI) and P1-6(LO), P1-5(HI), sending card 1, 101, 201…901 (one number every second to both ports). Shift 9 toggles the comms mode.